



Title: IMAGE FORMING DEVICE
AND METHOD FOR
CONTROLLING THE SAME
Inventor(s): Yoji MATSUDA et al.
Serial No. 10/022,527

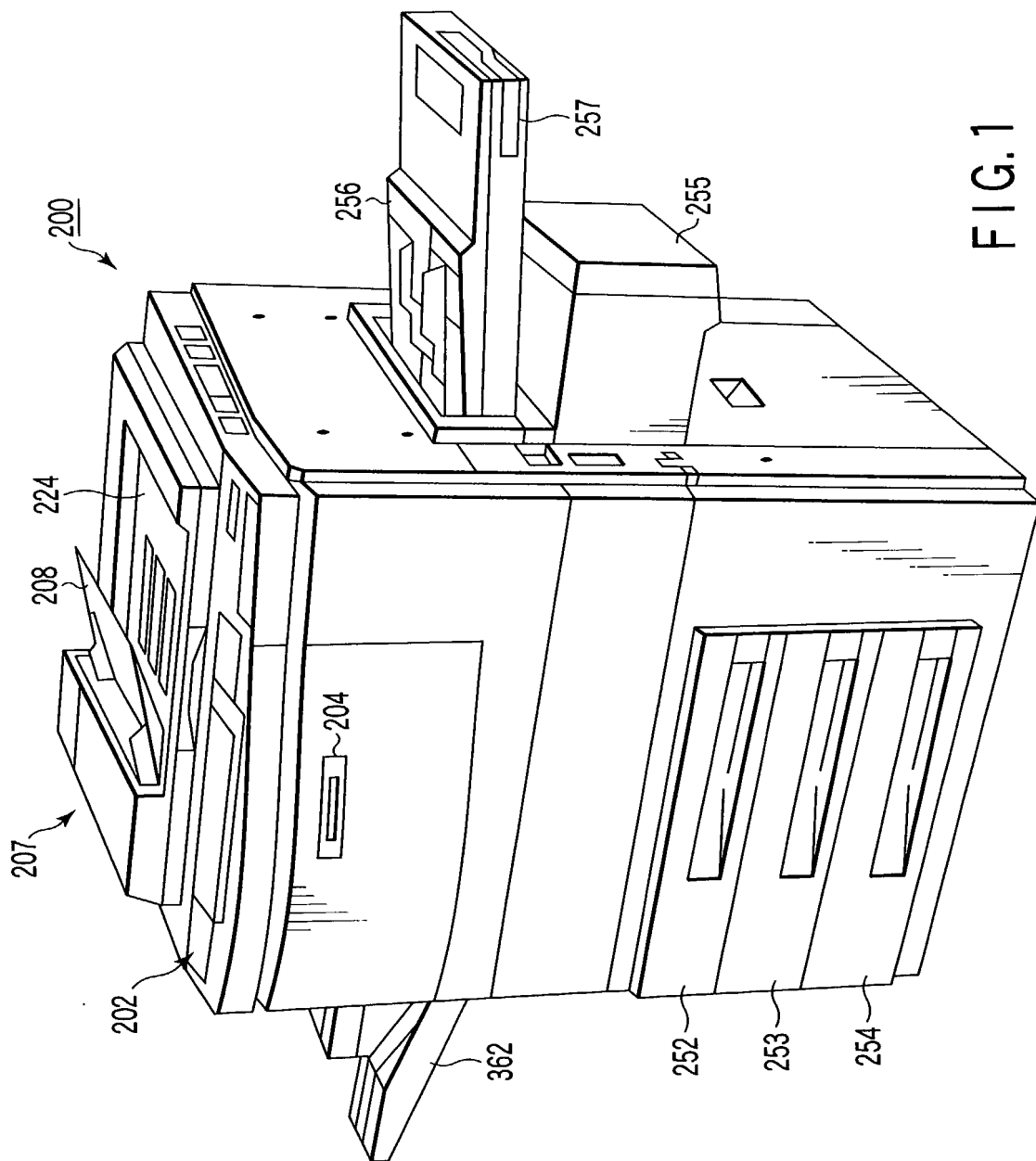
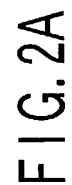
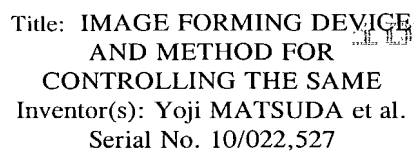


FIG. 1





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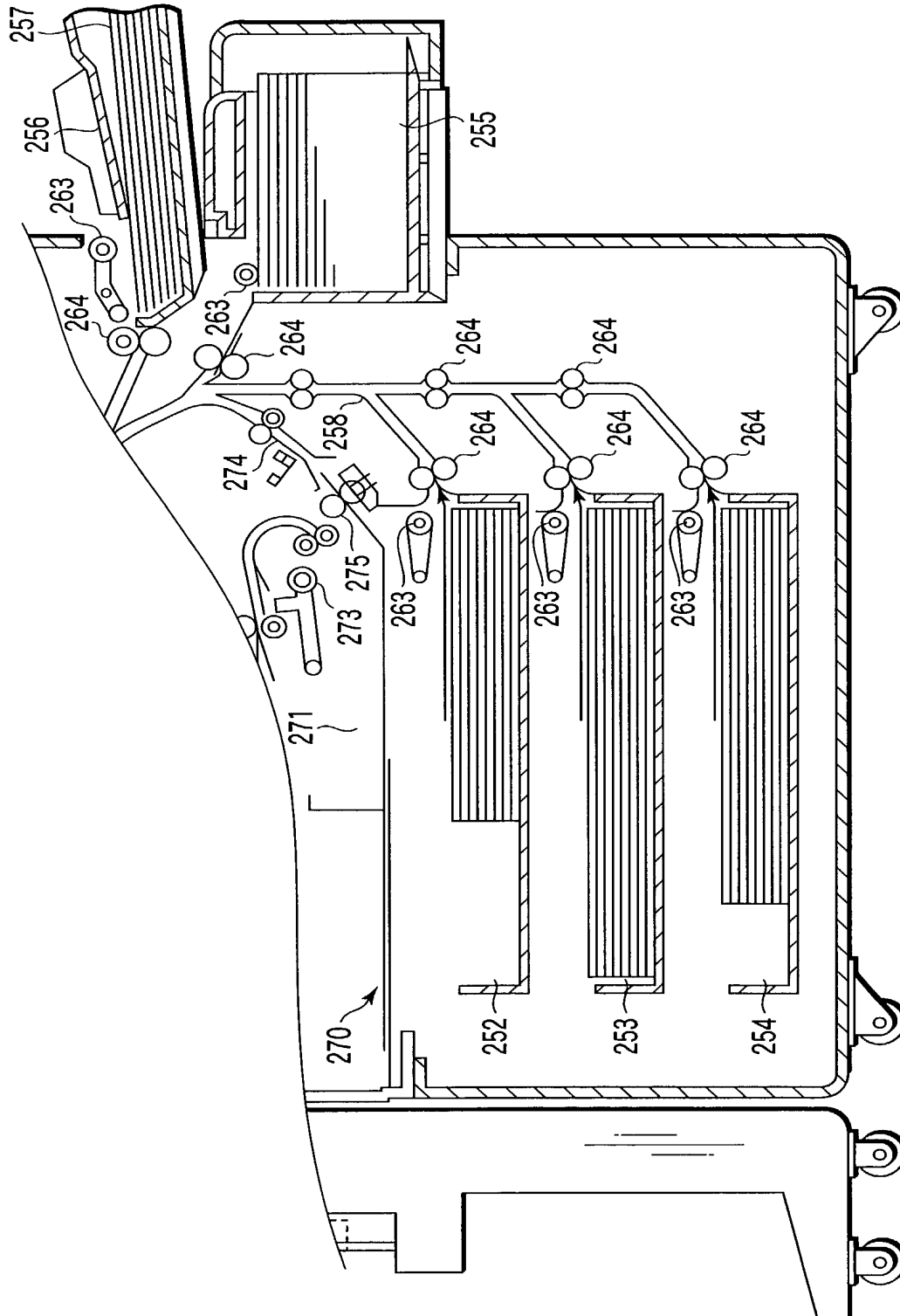


FIG. 2B

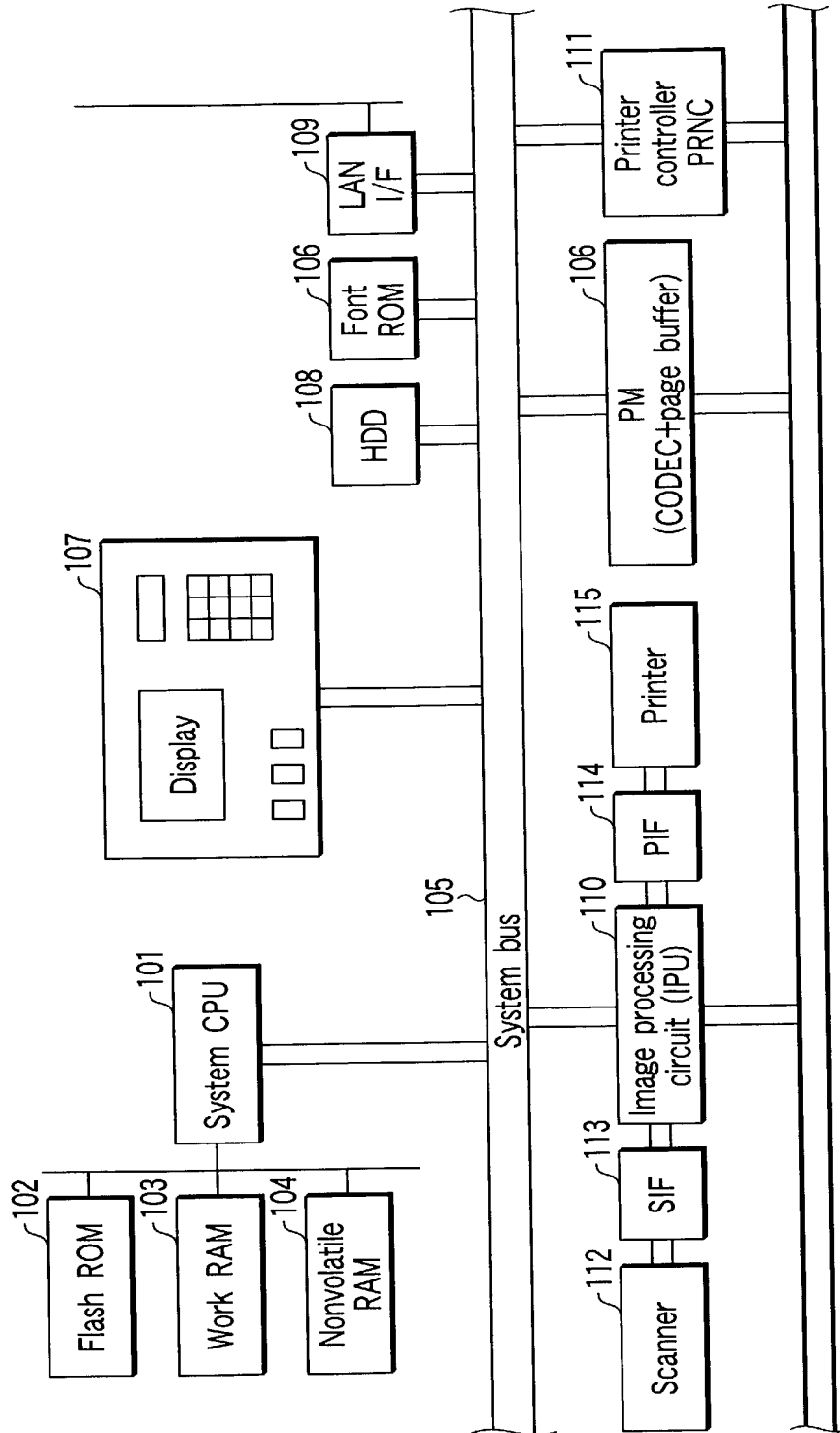


FIG. 3



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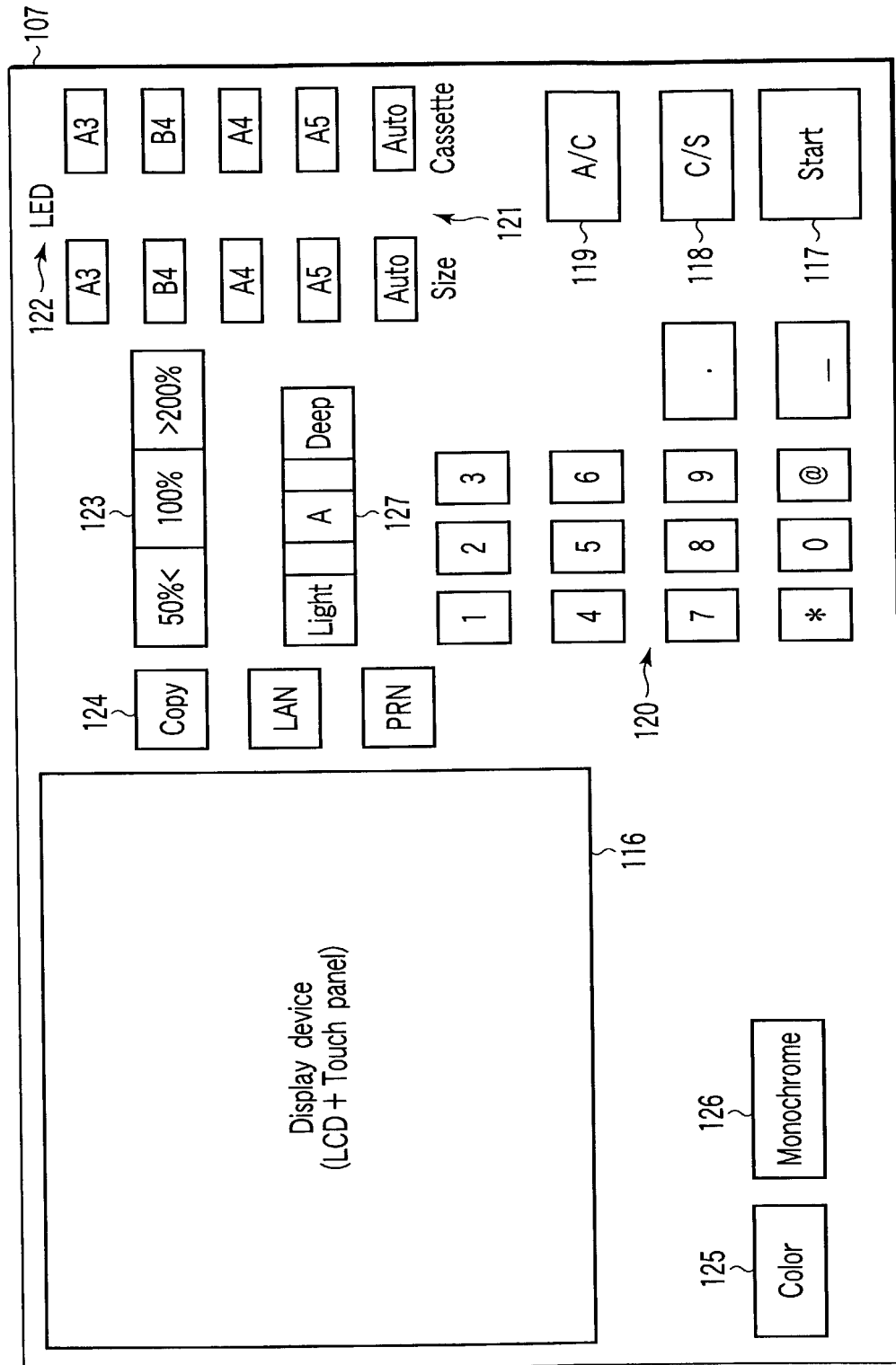


FIG. 4



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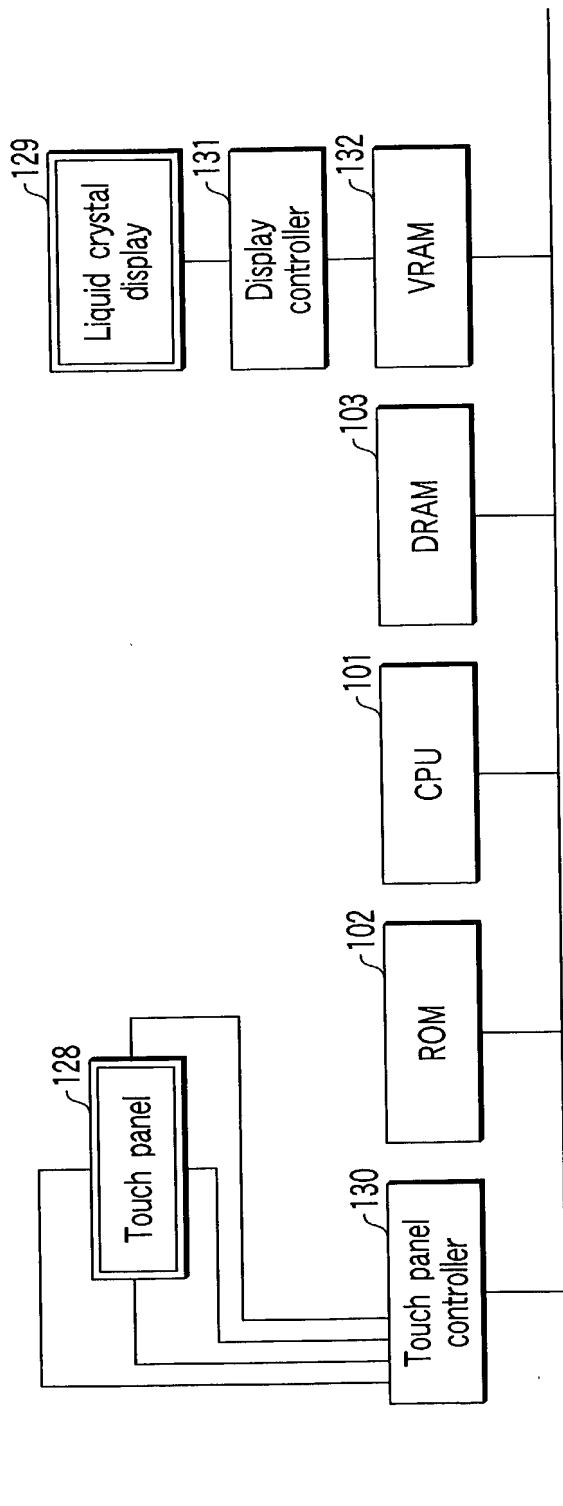


FIG. 5



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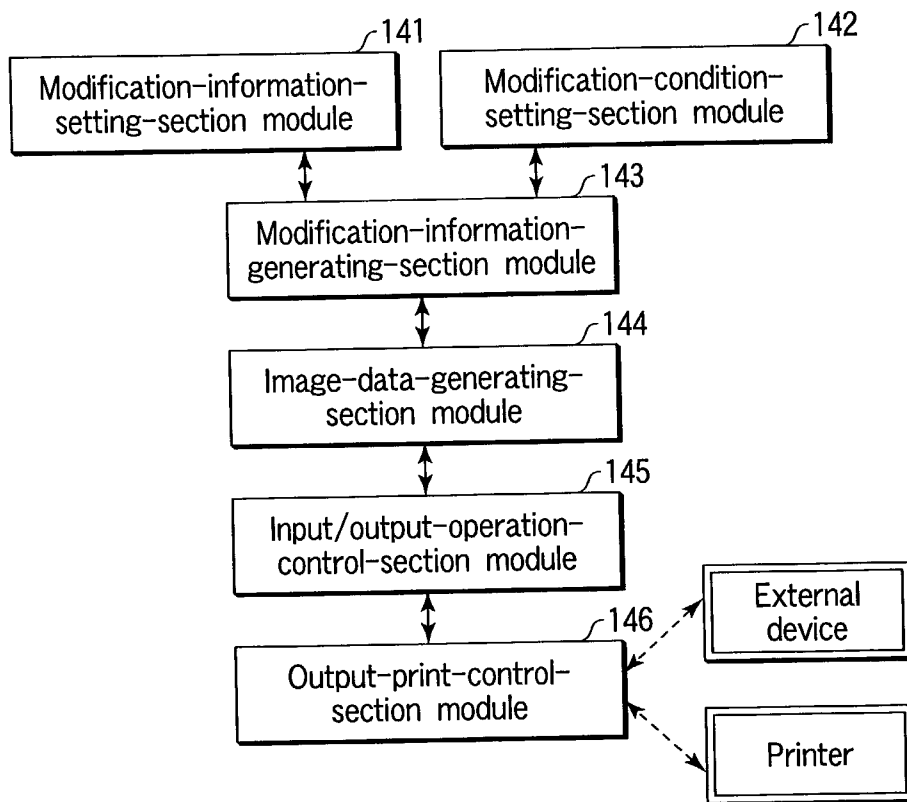
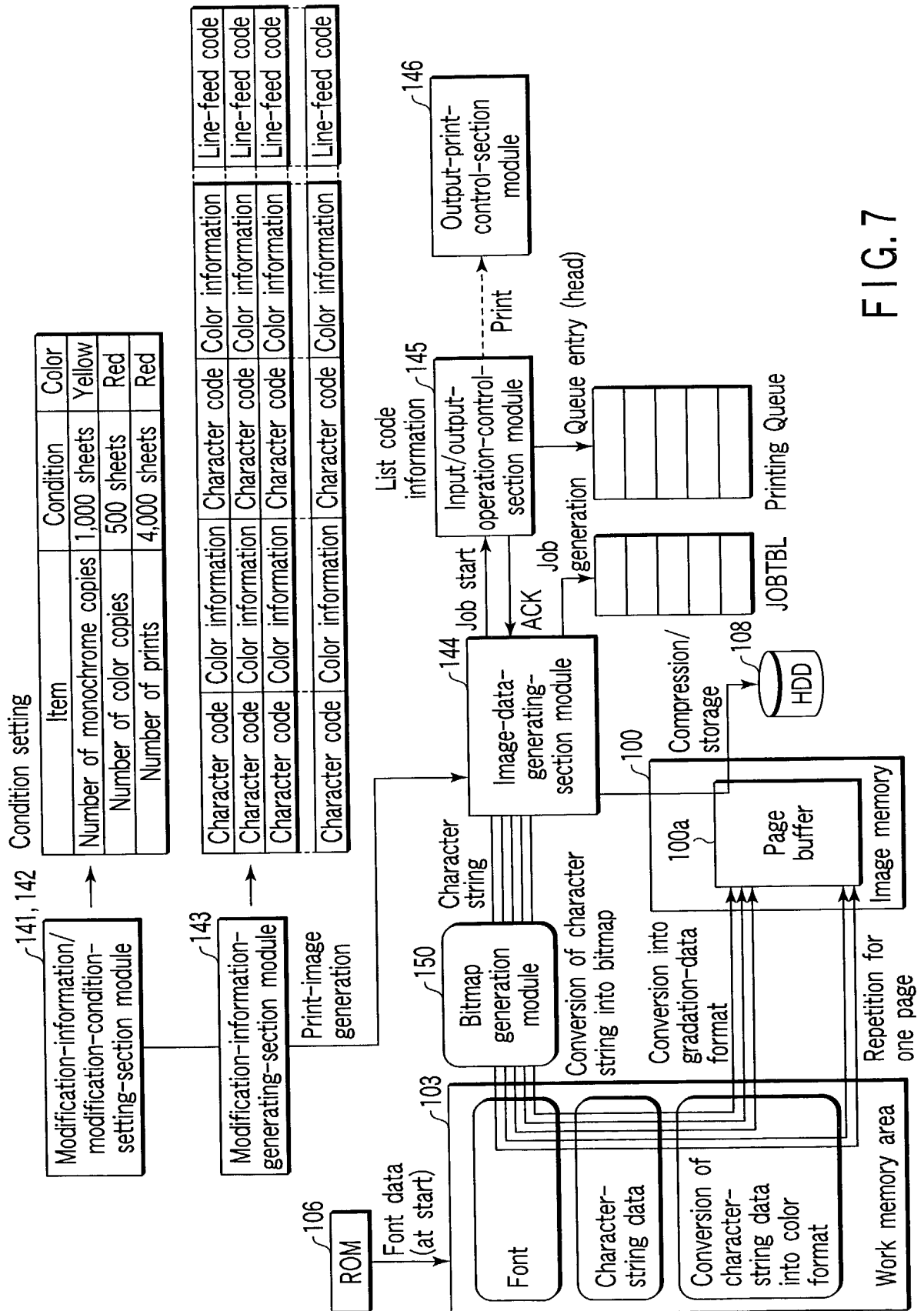


FIG. 6





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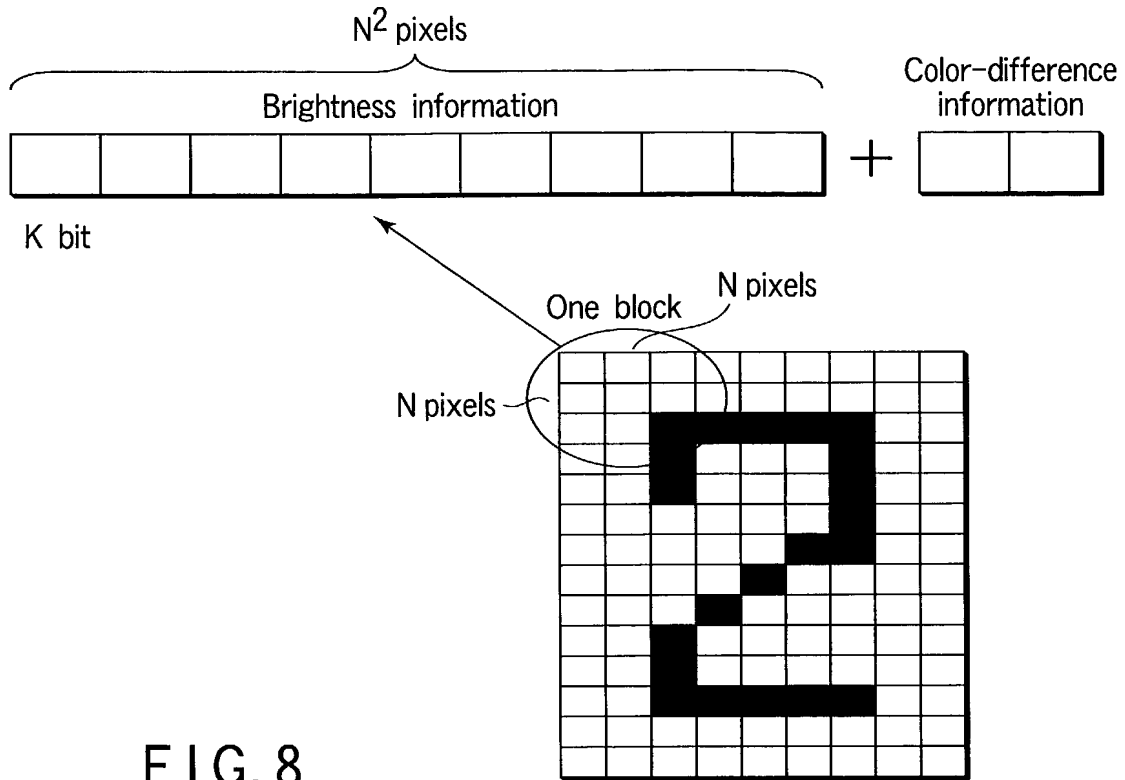


FIG. 8

Sector name	Number of copies COLOR	Number of copies BK	Number of prints COLOR	Number of prints BK
1	200	1200	100	2200
2	90	4500	104	300
3	200	3002	2200	500
4	190	300	1900	3100
5	-1	-1	-1	-1
⋮	⋮	⋮	⋮	⋮
998	-1	-1	-1	-1
999	-1	-1	-1	-1

FIG. 9A



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Sector name	Copy warning value 1 color	Color information	Copy warning value 2 color	Color information	Copy warning value 1 BK	Color information	Copy warning value 2 BK	Color information
1	1000	Red	4000	Green	1500	Red	2000	Green
2	-1	-1	-1	-1	-1	-1	-1	-1
3	150	Red	1000	Green	2000	Blue	3000	Red
4	100	Blue	1000	Red	500	Red	1000	Red
5	-1	-1	-1	-1	-1	-1	-1	-1
:	:	:	:	:	:	:	:	:
998	-1	-1	-1	-1	-1	-1	-1	-1
999	-1	-1	-1	-1	-1	-1	-1	-1

Print warning value 1 color	Color information	Print warning value 2 color	Color information	Print warning value 1 BK	Color information	Print warning value 2 BK	Color information
1500	Red	2000	Green	1000	Red	1500	Blue
-1	-1	-1	-1	-1	-1	-1	-1
2000	Green	3000	Red	1000	Red	2000	Red
2000	Red	3000	Red	1000	Red	2000	Blue
-1	-1	-1	-1	-1	-1	-1	-1
:	:	:	:	:	:	:	:
-1	-1	-1	-1	-1	-1	-1	-1
-1	-1	-1	-1	-1	-1	-1	-1

FIG. 9B



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Select item to be warning-displayed

Number of color copies	Number of color prints
Number of monochrome copies	Number of monochrome prints

OK Cancel

FIG. 10A

Select item to be warning-displayed

Number of	200	sheets	Color	Red
Number of	1000	sheets	Color	Blue
Number of	1500	sheets	Color	Green

OK Cancel

FIG. 10B

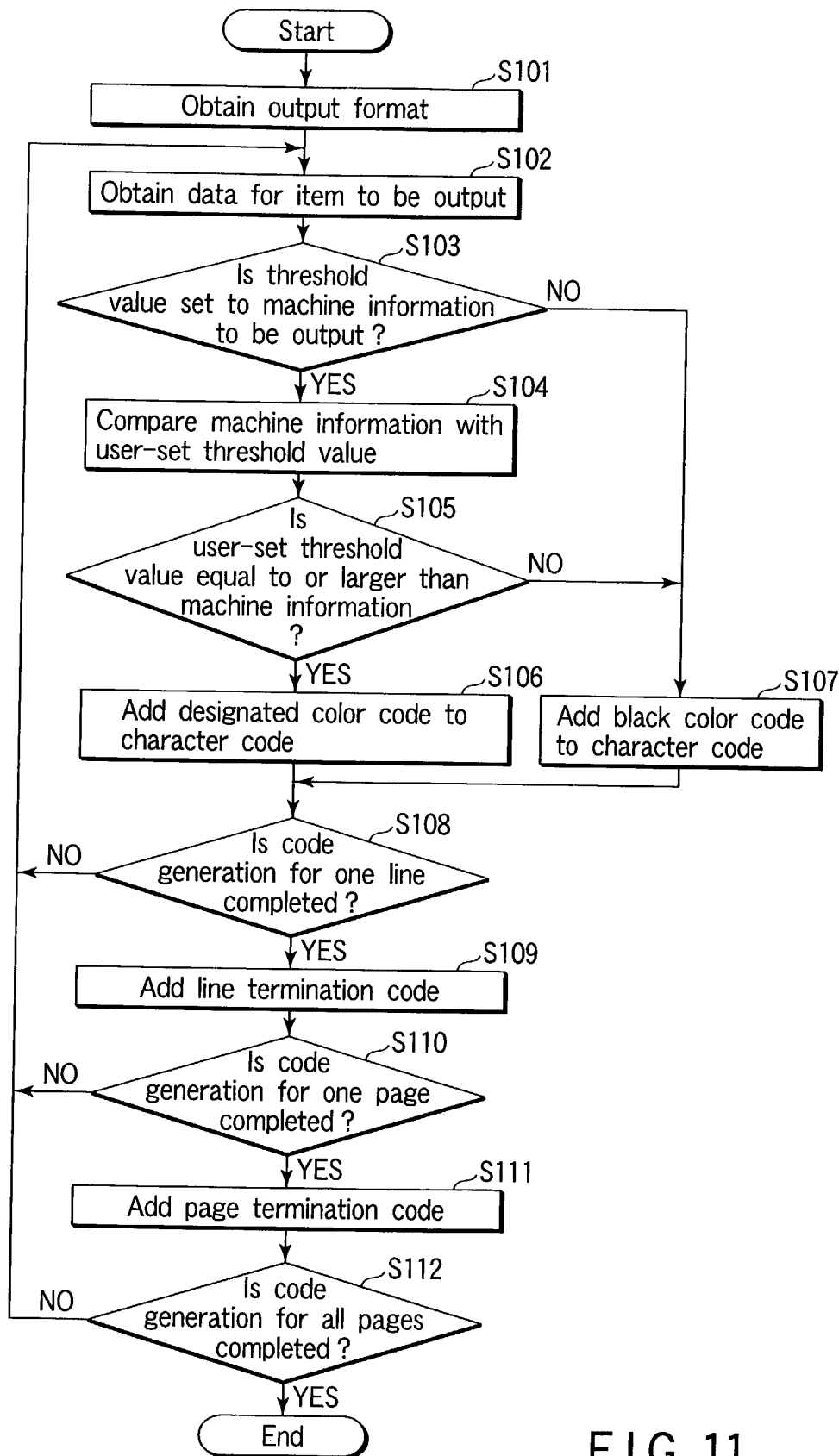


FIG. 11

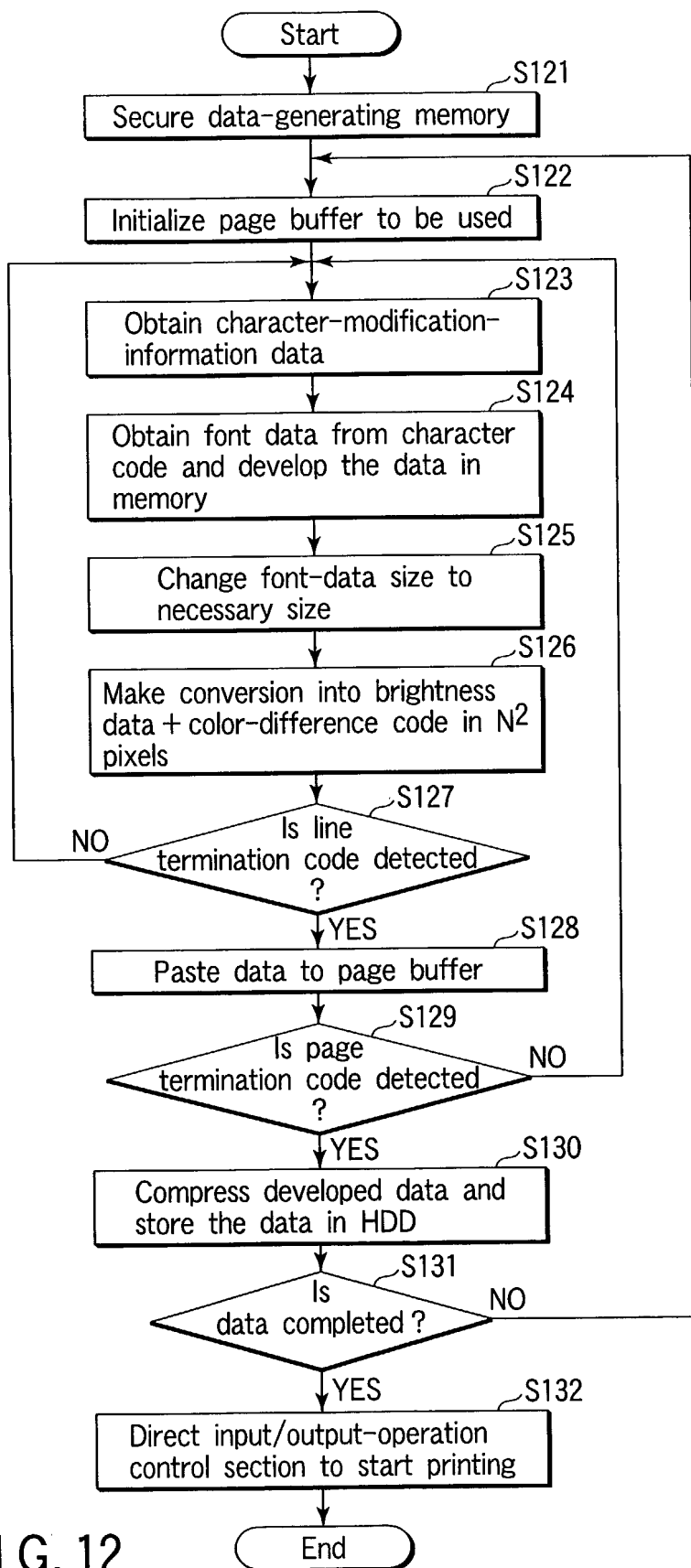


FIG. 12

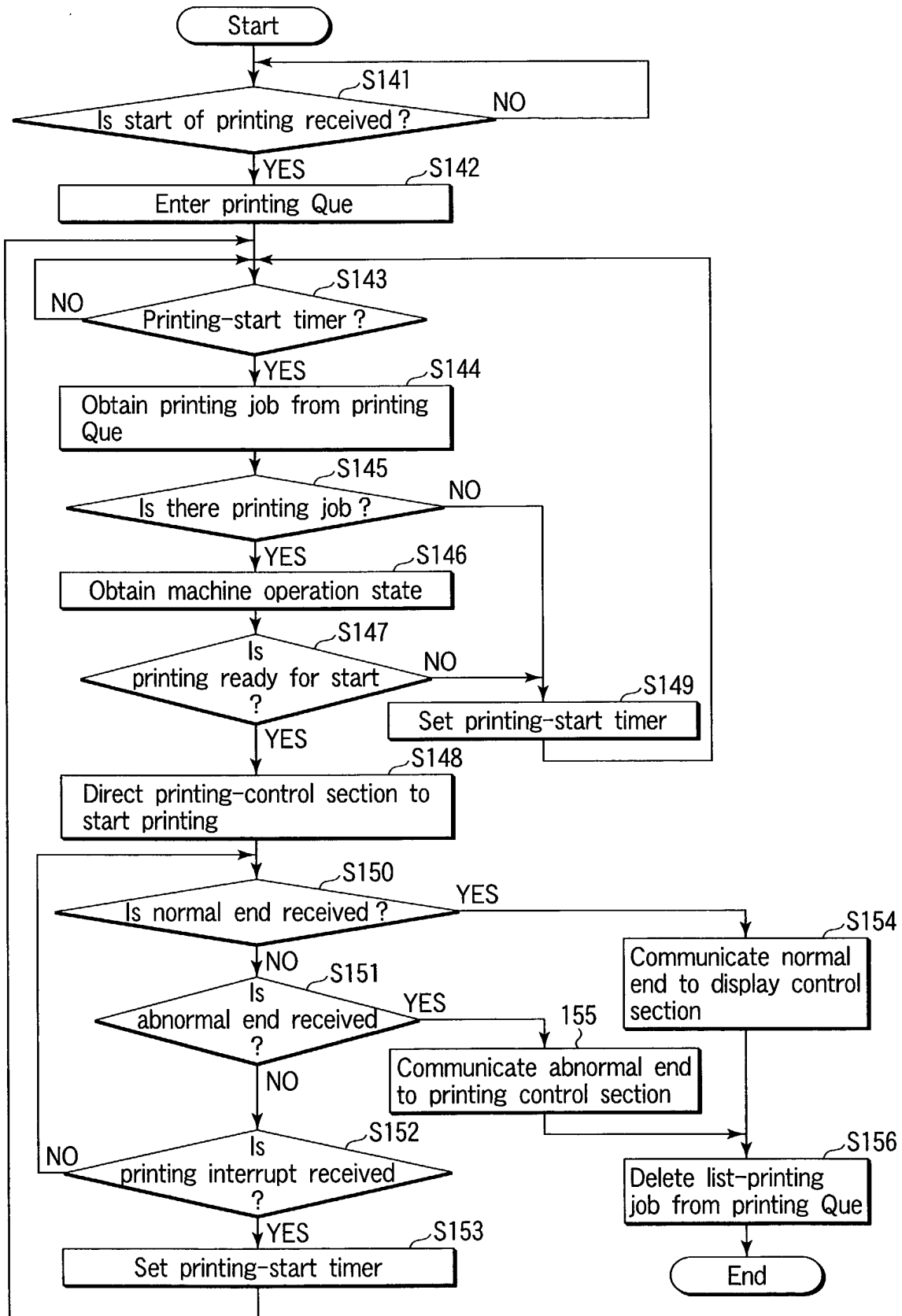


FIG. 13

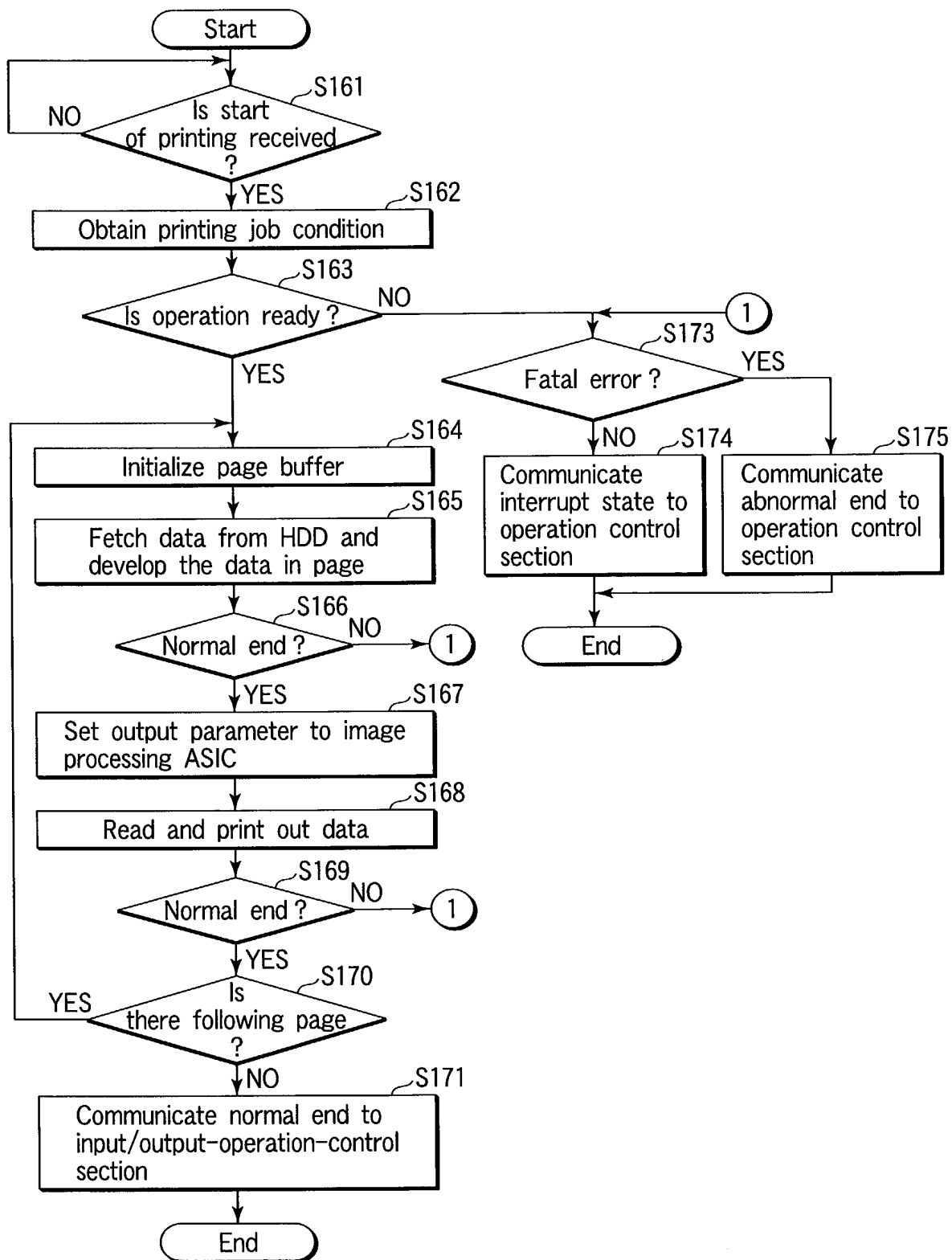


FIG. 14



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```
aBUF = {  
    "0x0A",  
    "    USER, C0, INFORMATION, C0",  
    "0x0A",  
    "                Copy (Color/BK), C0,          Print (Color/BK), C0",  
    "0x0A",  
    "    SECTION 1, C0,    200, C0,/, C0, 1290, C0    1000, C0,/, C0, 2200, C1",  
    "0x0A",  
    "    SECTION 2, C0,    090, C0,/, C0, 4500, C0    104, C0,/, C0, 300, C0",  
    "0x0A",  
    "    SECTION 3, C0,    200, C1,/, C0, 3002, C2    2200, C1,/, C0, 500, C0",  
    "0x0A",  
    "    SECTION 4, C0,    200, C1,/, C0, 300, C0    1900, C0,/, C0, 3100, C2",  
    "0x0A",  
    "LFLFLF"};  
  
aData [8] [2] = {  
    C0, 0x00110101,    /* Black      */  
    C1, 0x01010011,    /* Red        */  
    C2, 0x01000001,    /* Blue       */  
    C3, 0x01110100,    /* Yellow     */  
    C4, 0x10000001,    /* Green      */  
    C5, 0x11000010,    /* Purple     */  
    C6, 0x11110010,    /* Yellowish green */  
    C7, 0x11111000,    /* Pink       */  
};
```

FIG. 15



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User information		
	Copy (Color/BK)	Print (Color/BK)
Section 1	200 / 1290	1000 / <u>2200</u> ~ "Red"
Section 2	090 / 450	104 / 300
Section 3	"Red" ~ <u>200</u> / <u>3002</u> ~ "Blue"	"Red" ~ <u>2200</u> / 500
Section 4	"Blue" ~ <u>190</u> / 300	1900 / <u>3100</u> ~ "Blue"

FIG. 16